

# Why the Photoshop 7 “auto levels” correction can not be used for a fully automatic colour correction

The “auto-levels” colour correction function of Photoshop is simply stretching the contrast in a way that the brightest point in the image is white and the darkest point is black. In a lot of cases the darkest point is not black and the whitest point is not white. The *i2e* technology is using an intelligent approach to determine whitepoints, blackpoints and neutral colours.

**Modern 3.3 mpx camera**

***i2e* corrected**

**Photoshop 7 “auto-levels”**



For most of the artificial light images the light of a lamp is the brightest point.



The „Digital camera image enhancer” software recognises the artificial light situation and looks for whites elsewhere but not at the lamp



By correcting the yellow colour of the lamp to white all the rest of the image will get a strong blue colour cast



For many portrait images the face is the brightest point.



The „Digital camera image enhancer” software recognises the skin colour and makes the right correction



Photoshop detects the skin colour as the whitepoint and corrects totally wrong



This is a typical image with no enough contrast. Most cameras have big problems with this type of images. The result is a very flat looking image



The contrast is enhanced and the sky colour is let blue



Photoshop stretches the image to much and tries to correct the blue to white. The result are very bad looking jpeg artefacts in the image